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NOTICE OF ALLOWANCE AND FEE(S) DUE

24011

7590

09/30/2008

SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, 2041 AUSTRALIA EXAMINER

MARTIN, LAURA E

ART UNIT PAPER NUMBER

2853

DATE MAILED: 09/30/2008

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

10/815,628 04/02/2004 Lachlan Everett Hall IRA003US 9574

TITLE OF INVENTION: METHOD OF MINIMIZING ABSORPTION OF VISIBLE LIGHT IN INK COMPOSITIONS COMPRISING INFRARED METAL-DITHIOLENE DYES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/30/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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(571)-273-2885 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

Note: A certificate of mailing can only be used for domestic mailings of the CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 24011 7590 09/30/2008 Certificate of Mailing or Transmission SILVERBROOK RESEARCH PTY LTD I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. 393 DARLING STREET BALMAIN, 2041 **AUSTRALIA** (Depositor's name (Signature (Date APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/815,628 04/02/2004 Lachlan Everett Hall IRA003US 9574 TITLE OF INVENTION: METHOD OF MINIMIZING ABSORPTION OF VISIBLE LIGHT IN INK COMPOSITIONS COMPRISING INFRARED METAL-DITHIOLENE DYES APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1440 \$300 \$0 \$1740 12/30/2008 **EXAMINER** ART UNIT CLASS-SUBCLASS MARTIN, LAURA E 2853 106-031130 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted: lssue Fee A check is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number ______ (enclose an extra copy of this fo Advance Order - # of Copies _ (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ■ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature Date Typed or printed name Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/815,628	04/02/2004	Lachlan Everett Hall	IRA003US	9574
24011 75	90 09/30/2008		EXAM	INER
SILVERBROOK	RESEARCH PTY I	MARTIN, LAURA E		
393 DARLING ST	REET	ART UNIT	PAPER NUMBER	
BALMAIN, 2041 AUSTRALIA			2853 DATE MAILED: 09/30/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1028 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1028 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
Notice of Allowability	10/815,628 Examiner	HALL ET AL.	HALL ET AL.	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LXammer	Artonic		
	LAURA E. MARTIN	2853		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in i) or other appropriate community RIGHTS. This application is s	n this application. If not included unication will be mailed in due cour	se. THIS	
1. X This communication is responsive to amendment filed 7/1	<u> 10/08</u> .			
2. 🔀 The allowed claim(s) is/are 20-24 and 26-28.				
3. ☑ Acknowledgment is made of a claim for foreign priority u a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents hav	re been received.			
2. Certified copies of the priority documents hav	• • • • • • • • • • • • • • • • • • • •			
3. Copies of the certified copies of the priority do	ocuments have been receive	d in this national stage application t	from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the require	ments	
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			CE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ıst be submitted.			
(a) ☐ including changes required by the Notice of Draftsper	son's Patent Drawing Review	v (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	_,			
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment or	in the Office action of		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			k) of	
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			the	
Attachment(s)	E Notice of In	formal Detant Application		
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		formal Patent Application ummary (PTO-413),		
	Paper No.	ummary (PTO-413), /Mail Date Amendment/Comment		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	r. M ∈xammers	AmenamenyComment		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's	Statement of Reasons for Allowan	ce	
	9. 🔲 Other	<u>-</u>		
/Manish S. Shah/				
Primary Examiner, Art Unit 2853				

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claims:

Claim 1, line 10: change "thereof;" to --thereof,--

Claim 1, line 15: change "replaced a group" to -- replaced by a group--.

Abstract:

Change "A method of minimizing absorption of visible light in an ink composition.

The ink composition includes an IR-absorbing metal-dithiolene dye. The method includes preselecting the dye such that it includes a moiety for reducing intermolecular interactions between adjacent dye molecules.

The method is suitable for use in connection with page-based interactive systems employing invisible inks." to

-- A method of minimizing absorption of visible light in an ink composition. The ink composition includes an IR-absorbing metal-dithiolene dye. The method includes preselecting the dye such that it includes a moiety for reducing intermolecular interactions between adjacent dye molecules. The method is suitable for use in connection with page-based interactive systems employing invisible inks. --

Allowable Subject Matter

Claims 20-24 and 26-28 are allowed.

The following is an examiner's statement of reasons for allowance: prior art does not teach or suggest a method of minimizing absorption of visible light in an ink composition comprising an IR-absorbing metal-dithiolene dye, wherein the dye is preseleted from a metal dithiolene of formula (II), and, wherein M is selected from Ni, Pd, or Pt; j is selected from 1, 2, 3, or 4; k is selected from 1, 2, 3, or 4; n is selected from 0, 1, 2, or 3; W is selected from a substituent comprising an ammonium group, a substituent comprising an acid group, including salts thereof, or a substituent comprising a sulfonamide group; up to three (CH₂) groups in the carboxycle are optionally replaced by a group independently selected from C(O), NH, S, O; up to three CH groups in the carbocycle may be optionally replaced by N; and up to four H atoms in the carbocycle may be optionally replaced by a group independently selected from C₁₋₆alkyl, C₁₋₆alkoxy, C₅₋₁₂arylalkyl, halogen, hydroxyl, or amino

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAURA E. MARTIN whose telephone number is

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Art Unit: 2853

(571)272-2160. The examiner can normally be reached on Monday - Friday, 7:00 -

3:30.

273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Laura E. Martin

/L. E. M./ Examiner, Art Unit 2853

/Manish S. Shah/ Primary Examiner, Art Unit 2853